



WATERisLIFE

IMPACT REPORT

JUNE 2021 - JULY 2022

A year of safer water to improve lives.

A letter from our founder

In 2007, I embarked on my first trip to Africa, to the Northern Kenya and South Sudan regions. My group traveled on dusty roads, where children begged for water holding up empty bottles. We stopped to give them some, and as they ran back home, they cradled it like it was gold. I began to understand the gravity of the water crisis.

When we arrived, we sat around the fire listening to villagers tell stories of life in Africa. I expected more stories of hardship and struggles, but they were about family, faith and hope.

Those beautiful stories were met with a harsh reality: children begging for life's most important element, babies dying from waterborne disease, and a whole village burning up trees just to make a bit of charcoal to sell and to survive...

... I returned to Nairobi with a heavy heart and mind. I was looking forward to my first shower in weeks. My eyes fixated on the water spiraling the drain and it hit me... it was my "A-ha! moment". WATER is LIFE here, the people I just spent weeks with would do anything for this water going down the drain! My life was changed, I knew I had to do something. If not me, who? If not now, when?



Ken Surritte
Founder, WATERisLIFE



Key Figures



+30

countries

+15

years

+1.5M

people

+6B

liters of safe drinking water

WATERisLIFE

6 CLEAN WATER AND SANITATION

Our strategic framework is 100% aligned with the UN Sustainable Development Goals for 2030

OUR DREAM: TO SOLVE THE WORLD'S INVISIBLE WATER CRISIS

Better WASH initiatives

Innovative solutions for Water Access & Quality

Active community involvement

Strong focus on Informal Settlements & Slums

OUR FRAMEWORK: UN SUSTAINABLE DEVELOPMENT GOALS 2030 (SDG 6.1 & SDG 6.3)

SAFE AND AFFORDABLE DRINKING WATER



IMPROVE WATER QUALITY, WASTEWATER TREATMENT AND SAFE REUSE

OUR GOALS:
WATERisLIFE
2022-2025IMPACT
1+ MM PEOPLE
WITH CLEAN-WATER TECHNOLOGY AND IMPROVED WASH INITIATIVES IN AFRICA AND THE AMERICAS**ACTION PLAN**CREATE/EMPOWER
100+ COMMUNITY-LED SUSTAINABLE PROJECTS IN AFRICA AND THE AMERICAS**ACTION PLAN**DEVELOP
10+ LONG-TERM SHARED-VALUE PARTNERSHIPS WITH BIG IMPACT PLAYERS CHANGING THE WORLD**ACTION PLAN****OUR TOOLS:**

PATENTED, CUTTING-EDGE, COST-EFFECTIVE AND UNIQUE FILTRATION TECHNOLOGIES

15+ YEARS EXPERTISE ON WASH INITIATIVES ALL OVER THE WORLD

GROWING PERMANENT OPERATIONS IN AFRICA AND THE AMERICAS

STRONG PUBLIC-PRIVATE RELATIONSHIPS AT LOCAL AND NATIONAL LEVELS

FULL-TIME SENIOR TEAM TO PLAN AND IMPLEMENT PROJECTS



WATER is LIFE

Our goal, our dream

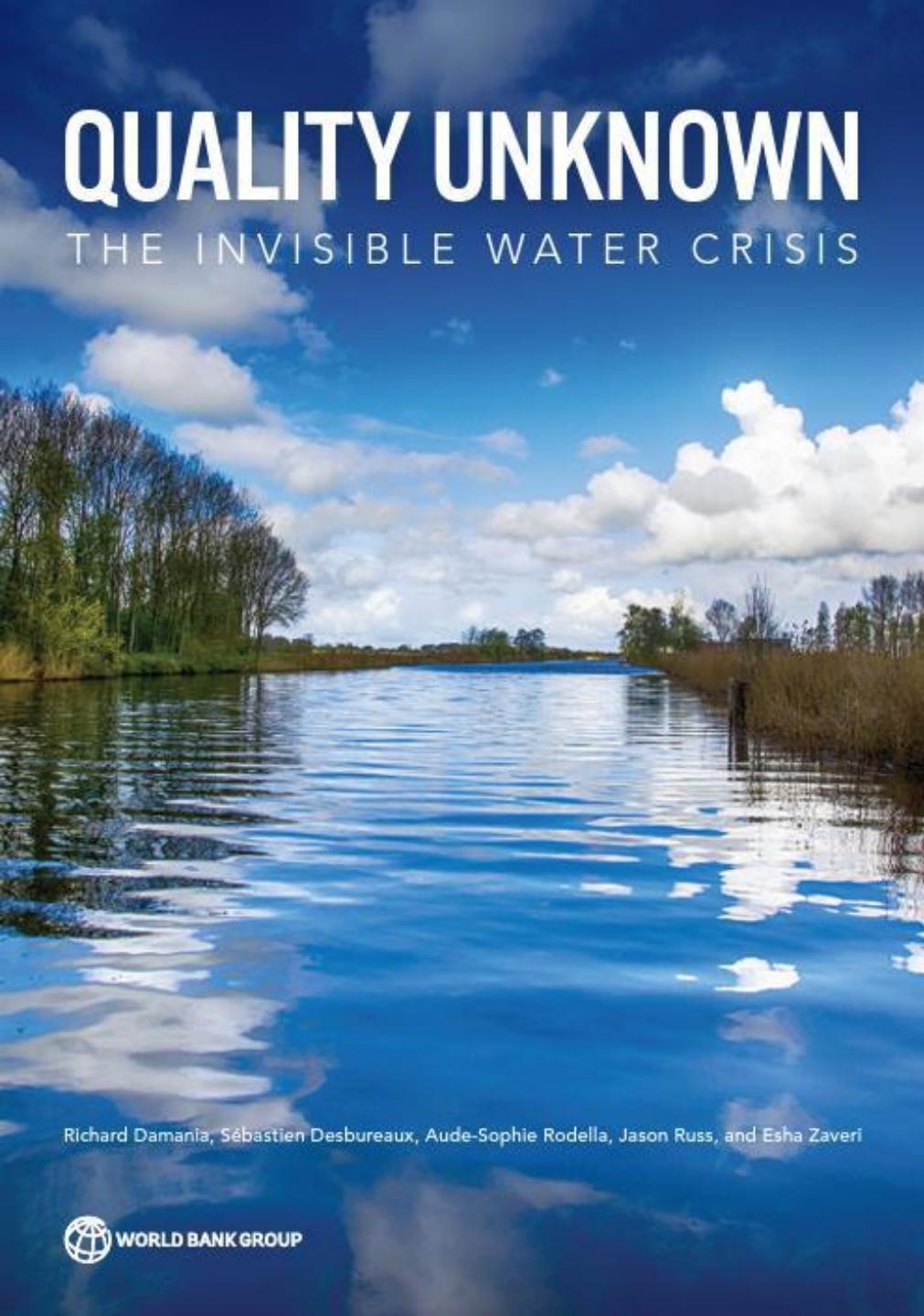
Solve the world water crisis through **better WASH** (water, sanitation and hygiene) initiatives, focusing on the **invisible water-quality problems** by **leveraging innovative solutions, projects and partnerships**, actively involving the communities where we work.

WASH
Invisible crisis
Leveraging innovation

These three concepts give life to
WATER is LIFE (WIL)

QUALITY UNKNOWN

THE INVISIBLE WATER CRISIS



Richard Damania, Sébastien Desbureaux, Aude-Sophie Rodella, Jason Russ, and Esha Zaveri

Quality, the invisible water crisis: what lies under the surface

Water quantity grabs public attention and the media spotlight. Water quality -being predominantly invisible and hard to detect-goes largely unnoticed. **Quality Unknown: The Invisible Water Crisis** shows how poor water quality stalls economic progress, stymies human potential, and reduces food production. The report calls for a paradigm shift that emphasizes safer and often more cost-effective remedies, combining smarter policies with newer technologies.

"Damania, Richard; Desbureaux, Sébastien; Rodella, Aude-Sophie; Russ, Jason; Zaveri, Esha. 2019. Quality Unknown : The Invisible Water Crisis. Washington, DC: World Bank. © World Bank. <https://openknowledge.worldbank.org/handle/10986/32245> License: CC BY 3.0 IGO."
<http://hdl.handle.net/10986/32245>

Quality, the invisible water crisis: what lies under the surface

PRESS RELEASE | AUGUST 20, 2019

Worsening Water Quality Reducing Economic Growth by a Third in Some Countries: World Bank

WASHINGTON, August 20, 2019 – The world faces an invisible crisis of water quality that is eliminating one-third of potential economic growth in heavily polluted areas and threatening human and environmental well-being, according to a World Bank report released today.

Quality Unknown: The Invisible Water Crisis shows, with new data and methods, how a combination of bacteria, sewage, chemicals, and plastics can suck oxygen from water supplies and transform water into poison for people and ecosystems. To shed light on the issue, the World Bank assembled the world's largest database on water quality gathered from monitoring stations, remote sensing technology, and machine learning.

The report finds that a lack of clean water limits economic growth by one-third. It calls for immediate global, national, and local-level attention to these dangers which face both developed and developing countries.

"Clean water is a key factor for economic growth. Deteriorating water quality is stalling economic growth, worsening health conditions, reducing food production, and exacerbating poverty in many countries." said **World Bank Group President David Malpass**. "Their governments must take urgent actions to help tackle water pollution so that countries can grow faster in equitable and environmentally sustainable ways."

When Biological Oxygen Demand – a measure of how much organic pollution is in water and a proxy measure of overall water quality – crosses a certain threshold, GDP growth in downstream regions drops by as much as a third because of impacts on health, agriculture, and ecosystems.

A key contributor to poor water quality is nitrogen, which, applied as fertilizer in agriculture, eventually enters rivers, lakes and oceans where it transforms into nitrates. Early exposure of children to nitrates affects their growth and brain development, impacting their health and adult earning potential. The run-off and release into water from every additional kilogram of nitrogen fertilizer per hectare can increase the level of childhood stunting by as much as 19 percent and reduce future adult earnings by as much as 2 percent, compared to those who are not exposed.

Global Management

The Global Team of Cote and Renato lead the organization and the volunteers all over the world. They're based in Nairobi, Kenya, and traveling throughout the year to the US, Chile and the rest of the continent.

Strategically, WATERisLIFE decided in 2020 to allocate and distribute its resources into **Africa** and **The Americas** as the impact area for the next 5 years (2020-2025) with a longer and more sustainable presence in each country, allowing a bigger impact with a better and more efficient project implementation.



Coté
BOARD MEMBER
Executive Director.
Base: Africa / Latin America



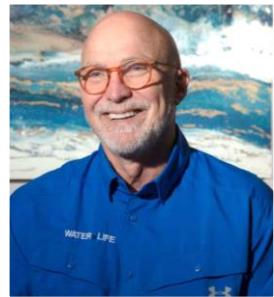
Renato
BOARD MEMBER
Global Development & Strategy Director.
Base: Africa

Our new

GLOBAL BOARD

Formed in 2022,
one of the biggest
milestones for
WATERisLIFE
moving forward.

WATERisLIFE



Ken Surritte
CHAIRMAN
WATERisLIFE founder
UN ambassador
TED speaker
USA



Cote Terre
BOARD MEMBER
Journalist, Author, TV &
Social Media personality.
WiL Executive Director.
KENYA - CHILE



Renato Munoz
BOARD MEMBER
Business consultant.
Entrepreneur. WiL Global
Development Director.
KENYA - CHILE



Fatima Nash
BOARD MEMBER
Humanitarian,
Community Leader,
Philanthropist
USA - EL SALVADOR



Dr. Edward Nash
BOARD MEMBER
MD, Progressive Pain &
Rehabilitation Specialist,
Philanthropist
USA



Guppy Bhurji
BOARD MEMBER
Businesswoman,
Conservationist,
Entrepreneur
KENYA - UK



Oliver Soto
BOARD MEMBER
Fortune 500 Company Top
Executive, Humanitarian,
Business Expert
KENYA - MEXICO



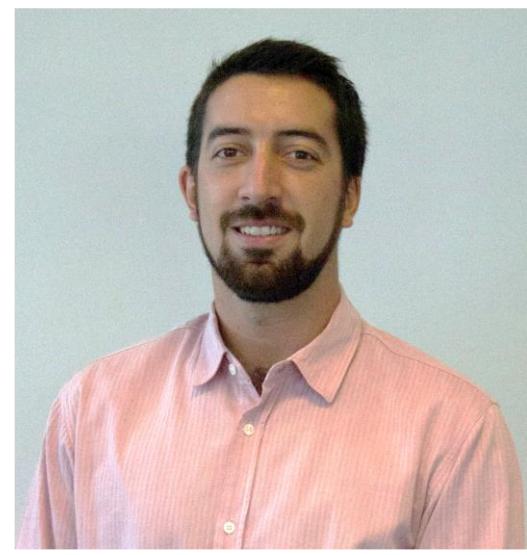
Joel Comm
BOARD MEMBER
Speaker, Author, Influencer,
Entrepreneur, Consultant,
Digital Specialist
PUERTO RICO



Baruc Vendito

REGIONAL DIRECTOR, BRAZIL & SOUTH AMERICA Long-time leader in WATERisLIFE, seasoned project manager, humanitarian and entrepreneur.

BRAZIL



Pablo Pozarski

CHILE DIRECTOR
Digital Specialist, Experienced volunteer and humanitarian.
Manager in one of Chile's top companies.
CHILE

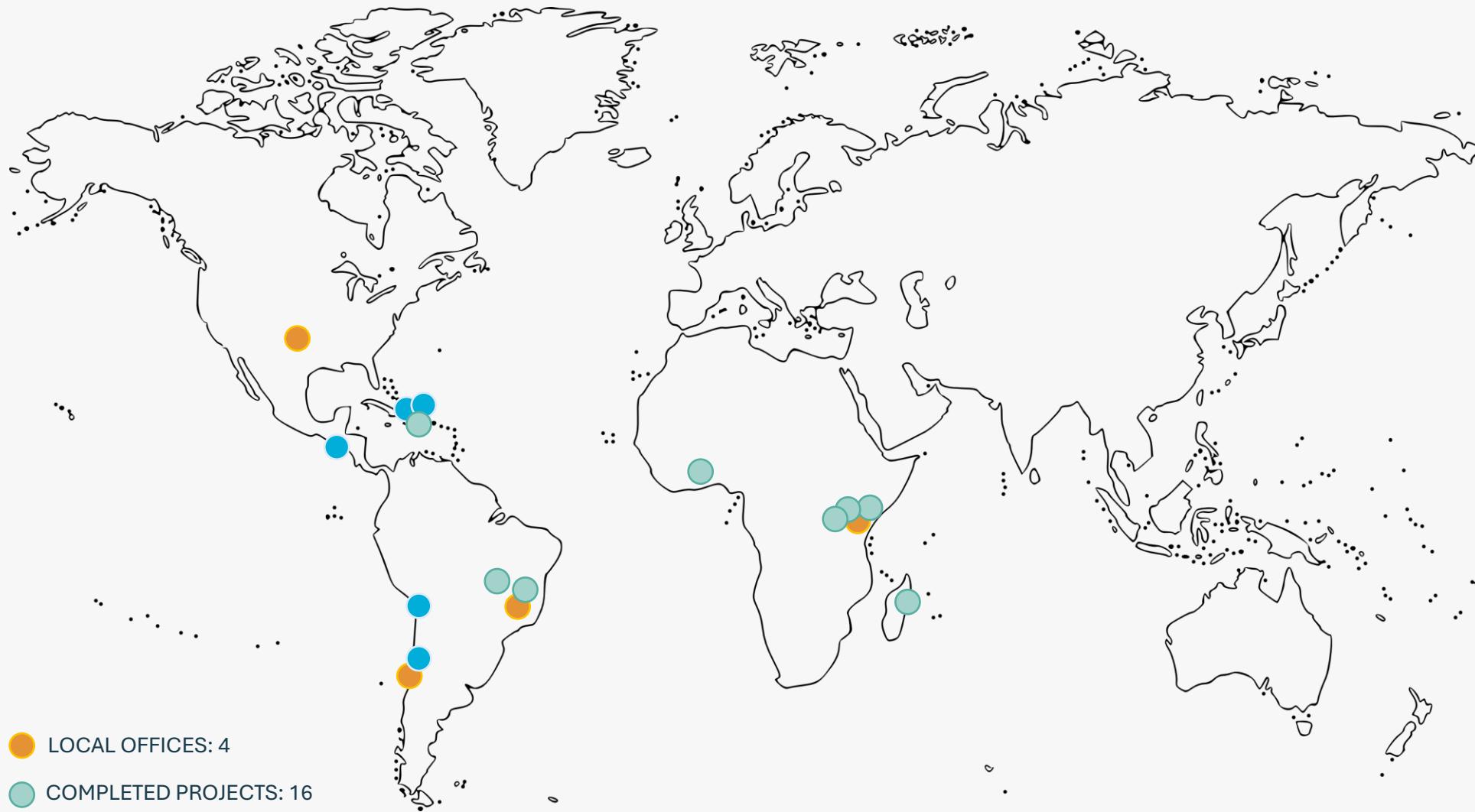


Connie Soweto

PROJECT LEADER
Youth and Community leader in the Soweto slum. one of the first project leaders in Kenya for WATERisLIFE.
KENYA

Our **Regional Leaders & volunteer supporters**

We wouldn't be able to complete all that we do without the amazing work of our amazing leaders on the ground.



With offices in the US, Brazil, Kenya and Chile, WATERisLIFE has focused its efforts and resources in Africa and Latin America, projecting an impact of close to 100,000 people by the end of 2022

Ghana, Kenya, Brazil, Chile, Peru, Haiti, Madagascar, Puerto Rico, El Salvador are either completed or in planning phases.

A large portion of these projects were implemented in collaboration with our key partners. Betterfly and TECHO from Chile, Urban Hydration from the US, Pure Blue from Norway, Machakos Government from Kenya and many others.

COUNTRY	REGION/CITY	COMMUNITY	SOLUTION	PEOPLE	LITERS	DURATION
Brazil	São Paulo	Santos Maior	Straw filters: 200	200	200,000	5 years
Brazil	Santa Cataria	Comunidade indígena	Straw filters: 100	100	100,000	2 years
Brazil	Bahia	Canudos Comunidade Vila Esperança	Straw filters: 100	100	100,000	2 years
Brazil	Pernambuco	Serra do Inácio	Straw filters: 100 - Bucket filters: 10	140	300,000	5 years
Brazil	Pernambuco	Ibimirim & Manari Sertão do Moxoto	Bucket filters: 1000	4,000	20,000,000	5 years
Brazil	Pernambuco	Poço da Cruz, Município de Ibimirim-PE	WATERGEN GEN-M	400	1,825,000	10 years
Kenya	Machakos	Katangi Ward	SUNSPRING UF System	10,000	73,000,000	10 years
Kenya	Machakos	Katangi Ward	Straw filters: 600	600	600,000	2 years
Kenya	Nairobi	Soweto Slum in Kahawa West	Equipped borehole & pipes	10,000	100,000,000+	10+ years
Kenya	Diani	Ukunda	Straw filters: 200	200	200,000	2 years
Kenya	Nairobi	Peponi School & Teresa Abumohor	Straw filters: 500	500	500,000	2 years
Kenya	Nairobi	Kahawa West School	Straw filters: 500	500	500,000	2 years
Ghana	Tamale	Tamale Community	2 equipped boreholes	10,000	100,000,000+	10+ years
Madagascar	Sul da Ilha	Ambovombe	Straw filters: 1000 - Bucket filters: 30	1,120	1,600,000	5 years
Puerto Rico	Yauco	Lena M. Francheschi School & community	SUNSPRING UF system	1,500	73,000,000	10 years
Haiti*	Port-au-Prince	Croix-des-Bouquets	Bucket filters: 100	400	2,000,000	5 years
Brazil	Amazonia	Belém Famílias Ribeirinhas	Straw filters: 150 - Bucket filters: 25	250	650,000	5 years
Chile**	Viña del Mar	Campamentos sector Reñaca Alto	Straw filters: 50 - Bucket filters: 150	650	3,050,000	5 years
Puerto Rico	TBD	San Germán (Non-PRASA)	2 SUNSPRING UF Systems	10,000	100,000,000+	10 years
El Salvador***	TBD	TBD	TBD	TBD	TBD	TBD
TOTAL since partnership started				50,160	477,625,000	

* Partnership with TECHO, LECHE PARA HAITI and PURE BLUE OF NORWAY

** Partnership with MUNICIPALIDAD VIÑA and TECHO

*** Partnership with the Office of the First Lady of El Salvador

**** Partnership with EPIROC

For boreholes, we consider an average of 20,000 liters per day and a duration of 20 years.

For every family receiving a Bucket Filter, we're assuming a total of 4 people on average.





SUNSPRING FILTRATION. Puerto Rico. 2021.



2 EQUIPPED BOREHOLES. Ghana. 2021.



EQUIPPED BOREHOLE. Kenya. 2021 - 2022.



SUNSPRING FILTRATION. Kenya. 2022.



WATERGEN AWG INSTALLATION. Brazil. 2022.

We develop our projects focusing on women and children. **In the case women, not just as beneficiaries, but empowering them as project and community leaders.**

Women are usually the ones in charge of water, fetching, boiling and managing. Our vision, is to always have women leading our projects once implemented.



WATERisLIFE



Green-energy cost-effective cutting-Edge filtration technology, designed for remote locations and community use. Deployed all over the world.



On-the-ground approach to our projects. Permanent visits and monitoring. Deep community relations.



Year-round educational missions are what makes us, us. We travel with our straws and buckets to provide relief and teach communities about safe drinking water.

IN WITNESS WHEREOF, the parties intending to be bound have caused this Agreement to be executed by their duly authorized representatives.

WATERisLIFE
Signature:
Name: RENATO RUIZ OSOS
Title: Development Director
Date: 13/1/2022

Witnessed by:-
Signature:
Name: Johnson Muthuri
Title: CFO WATER
Date: 13/1/2022

Government of Machakos County
Signature:
Name: Eng Alueng Morn, Msc, IEngc
Title: CEC Water
Date: 13/1/2022

Big official partnerships and agreements make WATERisLIFE a solid organization

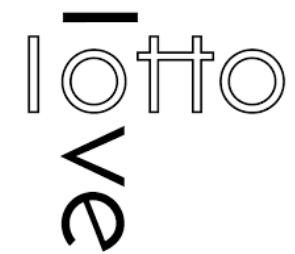


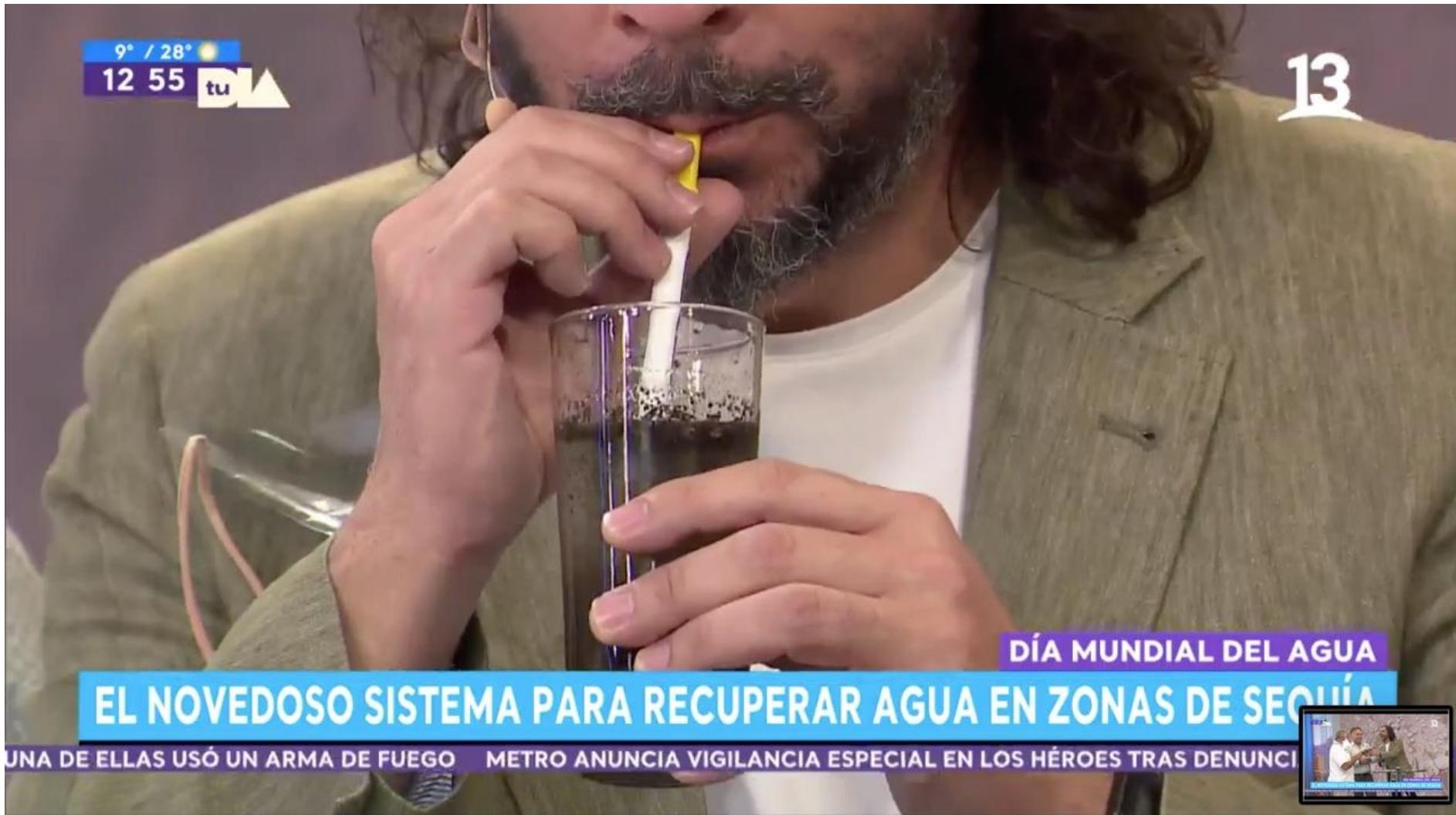
Constant media presence to create awareness of the water crisis and the issues with quality and filtration.

WATERisLIFE



Our key partners during the year





Our magic
Straw
CleanSip
was featured on
one of the biggest
TV shows in
Chile, including a
successful live
demo.

Other
appearances
include Kenyan
TV and print
media, as well as
high-engagement
Social Media
content.

WATERisLIFE



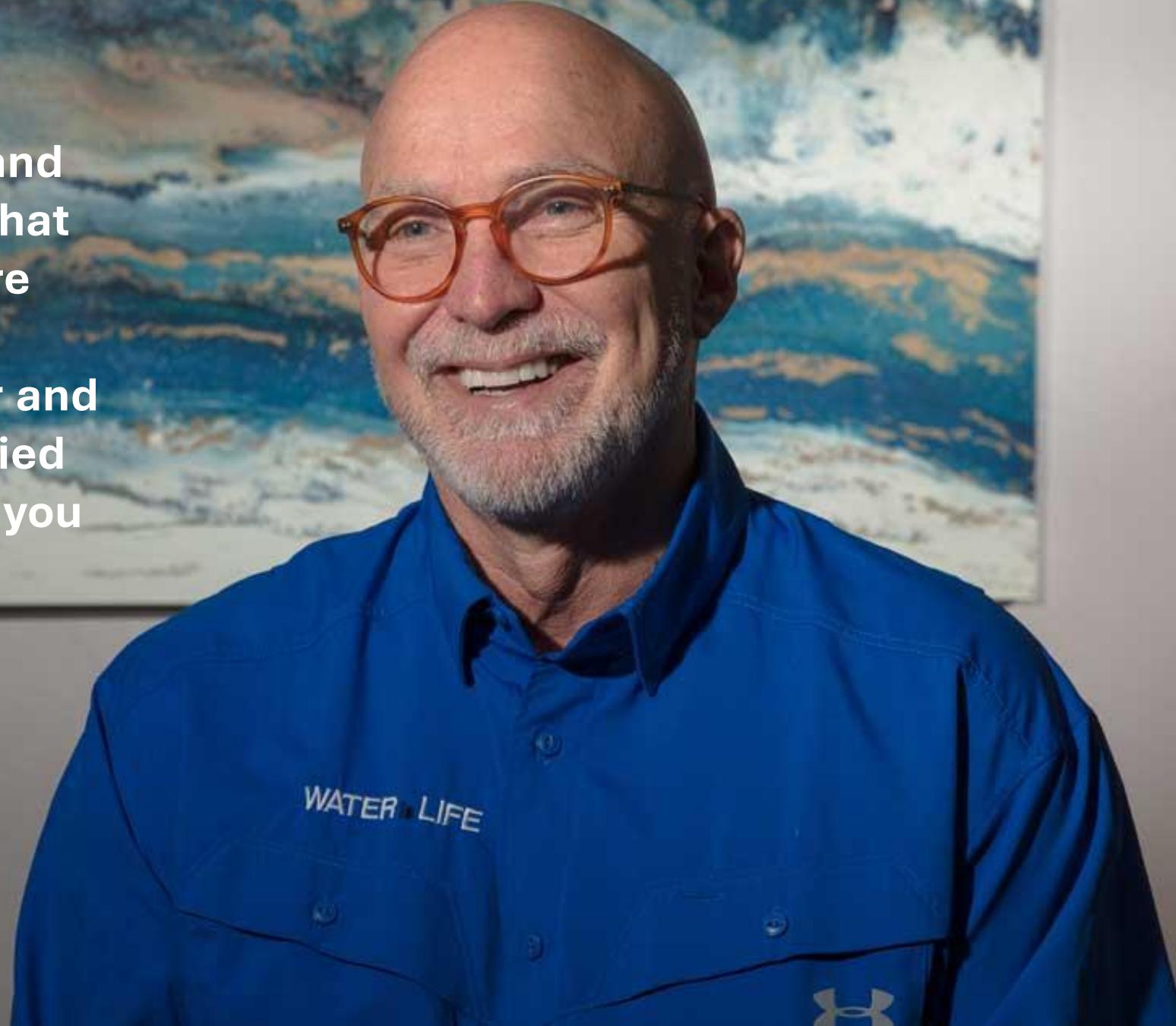
Other June 2021 - July 2022 milestones

- Finalized registration in Kenya. Now, WiL has legal presence in the US, Brazil y Kenya.
- WiL was selected as a finalist in the **Analyst Fund by GOLDMAN SACHS** in the U.S. and in the **Ecoimpacta innovation challenge by CCU & CORFO** in Chile (both processes ongoing).
- First Annual Fundraising Gala will be held in October 2022. Preparations continue, as we secure big sponsors.
- WiL was selected as **one of the TOP 10 nonprofits fighting the global water crisis**, by Donorbox, reaching #9.
- WiL added new volunteer lead in Chile, for South America projects, to work with Brazil as well.

**“What are the things
that make you tick, and
what are the things that
tick you off? What are
the things that you
pound the table over and
stay up at night worried
about? That’s where you
need to make a
difference.”**

Ken Surritte

WATERisLIFE founder
UN Ambassador (WASH)
Healixa Inc. Advisory Board member
TED speaker

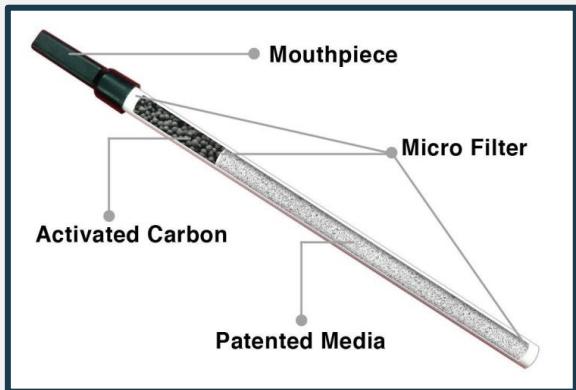


WATERisLIFE

ANNEX: OUR TECHNOLOGY

Our technology

Increasing price point



Magic Straw:
Up to 1,000 L total
Lasts up to 2 years
Personal use.

Bucket Filter:
20,000+ L total
Lasts up to 5 to 7 years
Family use.

Black Box:
30,000+ L per day
0.1 micron filter
Lasts up to 7 to 10 years
Community use.

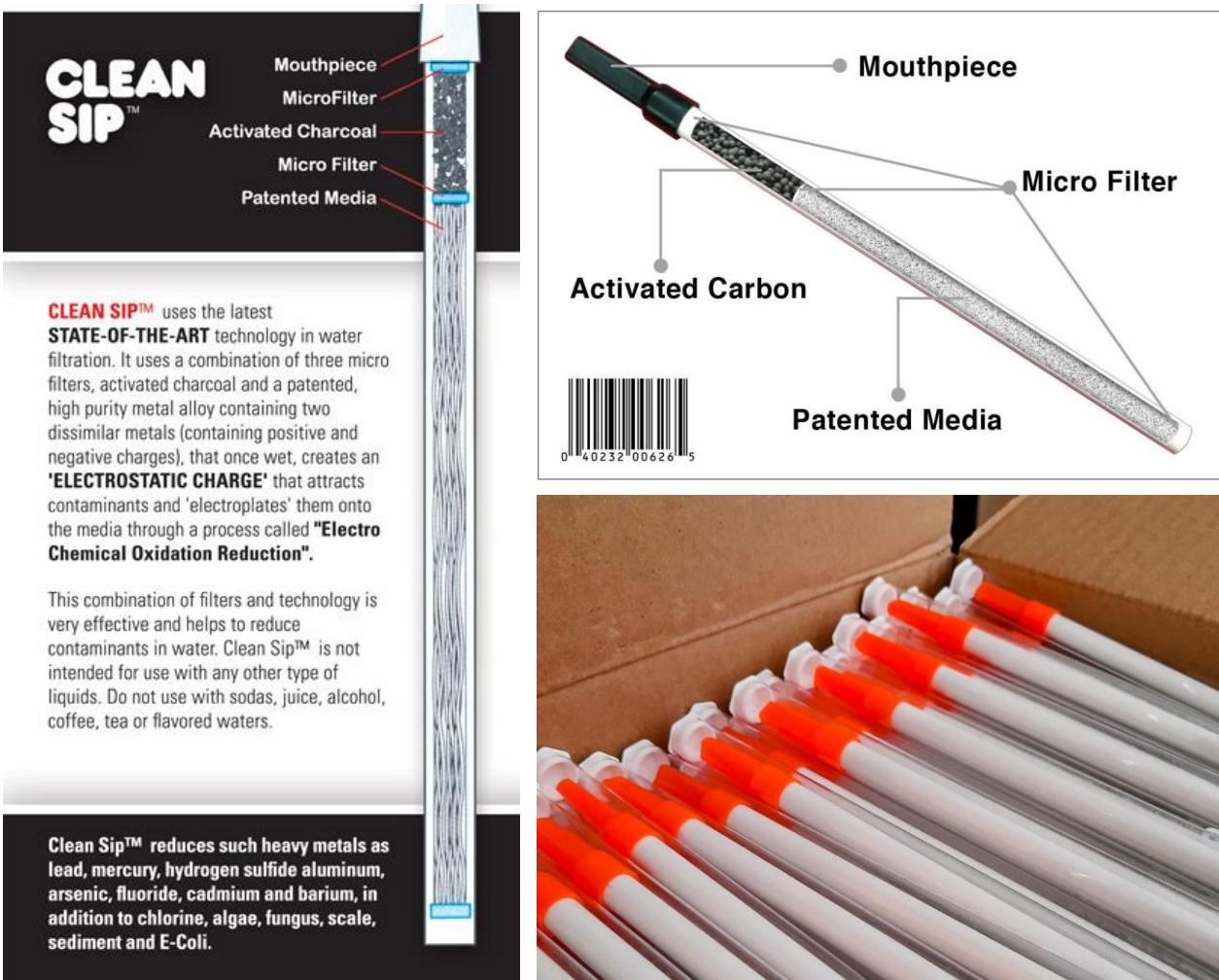
WallSpring:
40,000 L per day
0.02 micron filter
Lasts up to 10 years
Community use.

SunSpring:
20,000 L per day
0.02 micron filter
100% green energy
Electric pump included
Lasts up to 10 years.
Community use.

The magic Straws: **CleanSip**

Personal filtration device, that uses a combination of three microfilters, activated charcoal and patented high-purity metal alloy. It produces up to 1,000 liters.

If a kid drinks 1,4 liters a day, the Magic Straw could last 2 years.



WATERisLIFE



WATERisLIFE

ENVIROTEK LABORATORIES, INC.

33 Third Street, Bordentown, New Jersey 08505
PHONE 856-478-0010 www.enviroteklab.com
EPA ID # NJ01298 NJ DEP ID # 03048

STRAWS FILTER TEST REPORT

Report # 15-309 Clean Sip™ Straws

Report Date: 12/08/2015

Customer Name: Global Star Products

Test Parameter	Spiked Solution	After Filtration	% Removal
Inorganic Parameters			
Cadmium	0.245 mg/L	0.075 mg/L	69.4%
Mercury	0.364 mg/L	<0.0005 mg/L	>99.9%
Selenium	0.229 mg/L	0.024 mg/L	89.5%
Copper	1.30 mg/L	0.20 mg/L	84.6%
Lead	0.200 mg/L	0.003 mg/L	98.5%
Free Chlorine	2.1 mg/L	0.1 mg/L	95.2%
Chloride	250 mg/L	10.5 mg/L	95.8%
Fluoride	8.1 mg/L	0.15 mg/L	84.0%
Micro-organisms			
E. Coli	2.0×10^4 CFU/mL	2.1×10^3 CFU/mL	89.5%
Klebsiella pneumoniae	10^8 CFU/L	10 CFU/L	99.99999%
Amoeba	10^8 CFU/L	10 CFU/L	99.99999%
Rotavirus	10^7 CFU/L	10 CFU/L	99.999%
Giardia lamblia	10^7 CFU/L	10 CFU/L	99.999%

Antimicrobial Efficacy: Clean Sip™ Straws were tested following the laboratory conditions stated by the EPA 1987 protocol microbiological water purifier testing; the results show that Clean Sip™ Straws meet and exceed the EPA requirements of LOG 6 reduction for bacteria and LOG 3 reduction for protozoan parasites.

Jaime A. Young

Jaime A. Young
Lab Director

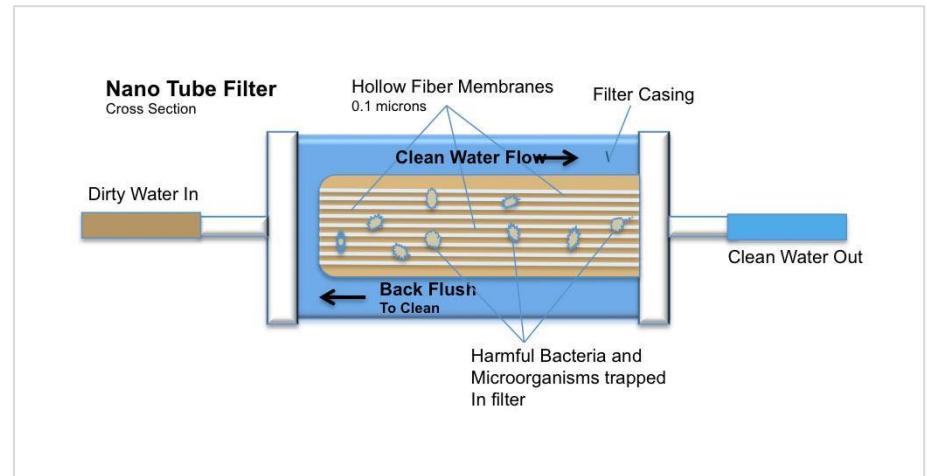
The Nano Bucket filter system

A family solution for safe drinking water. Each Nano Bucket System provides a family a nearly unlimited supply of bacteriologically safe water.

Each filter uses Nano tube technology with filtration to 0.1 micron.

Bundles of Nano tubes are looped and sealed at one end of the filter. As water passes through the meter-long tube, it pushes the water through the filter and tiny pores block bacteria and other contaminants.

The flow rate is approximately 1 liter per minute. Back-flushing the filter with clean water after each use ensures the family years of use.



WATERisLIFE



WATERisLIFE

The **Black Box** filtration system

Effective and easy to use, it's a practical solution for cleaning water in demanding circumstances. This cost-effective unit utilizes two 0.1 micron hollow-fiber membrane filters, which remove bacteria, protozoa, and cysts to 99.99999% (7 Log) and 99.1% (2 Log) of viruses.

It operates whenever water is running through its filters, 24/7. A 12V battery powers the backflush system, charging with solar panel or 1 Amp wall charger.

Key Features:

- Exceeds EPA standards
- Made for off-grid battery operation
- Processes 30,000+ L per day
- Includes automated filter maintenance
- Provides a 7 to 10-year lifespan (pending source water turbidity)

The SunSpring Hybrid

Ultra filtration system,
100% green energy, cost-
effective and off-grid.
Solar and wind powered.
Up to 20,000 liters per
day of microbiologically
safe drinking water for 10
years. Close to none
maintenance costs,
operated by
communities. Filtration
efficiency >92 per cent. It
has a .02 micron
membrane.

This equals about
\$.00027 per liter of
microbiologically safe
drinking water.



SUNSPRING™
innovativeh2o.com



Channel Partner
Water & Process Technologies



healthymagination
Healthymagination Validated

SunSpring



THE SUNSPRING GRID
CAN BE INSTALLED IN ABOUT 4 HOURS

CLICK IMAGE FOR VIDEO



US EPA Standard For Microbiological Water Purifiers (04/01/1987) is within WQA's ANSI and SCC approved scope of accreditation Drinking Water Treatment Units Scheme

: Sunspring ss24	: Sunspring ss24DPR	: Sunspring ss24MS
: Sunspring ss24RWH	: Sunspring ss36	

Notice: To request any changes to the certified model(s), please request a Change to Certified Product (CCP) form. Examples include any change to the wetted parts or formulations such as supplier or material types, literature, or a change in company name. This list is not all inclusive. Failure to submit documentation regarding changes may result in non-compliance with the standard(s) as well as de-listing of the affected models.

The SunSpring Family of products

WATERisLIFE also works with the whole range of filtration products from the SunSpring family. **The SunSpring Mini** is also solar powered and produces 4,000 liters of safe water per day. **The Wallspring** is a wall-mount plug-and-play system that can be connected to the grid and can produce almost 40,000 liters per day.



WATERisLIFE

	SunSpring Mini	SunSpring Hybrid™	WallSpring
Self-contained	X	X	
GE Healthmagination validated		X	
All wetted part NSF 61 compliant	X	X	X
UF Membrane, .02 micron	X	X	X
Pre filtration	X	X	X
Post filtration	X	X	
Alternative energy	X	X	
Physical Bacteriological Barrier	X	X	X
USA Public Water System Accepted		X	X
Auto Backwash	manual	X	X
No consumables		X	X
Gallons per day Max	1,000	*5000 - 10,000	10,000
Liters per day Max	3785	37,850	37,850
Gallons per minute Max	0.7 - 0.8	*4.5 - 9.5	9.5
Liters per minute Max	2.6 - 3.0	*17 - 34	36
No building needed	X	X	
Emergency Response	X	X	X
Disaster Preparedness	X	X	X
Short term solution	X	X	X
Mid-term solution		X	X
Long term solution		X	X
International Shipping Crate	X	X	X
Quick set up	X	X	X



WATERisLIFE

A success story for informal
human settlements:

WATERisLIFE at the Soweto slum in Kenya

WATERisLIFE

Soweto slum at Kahawa West is one of the largest in Nairobi, with almost 10,000 people living in difficult conditions, with no proper housing, limited access to food and no access to safe water for drinking.

Also, the community only got water 3 days a the week before the project, which had a very negative impact on their lives.



There was a borehole drilled in the community, done years ago, but it was destroyed and not operational, not maintained and the community wasn't involved in recuperating it. We saw an opportunity...

We designed a Project to revive the borehole, improve its pumping, piping and filtration technology and bring the community in as part of its development, with an active role in construction.

We met with local government and with the Elders as well, and after a very thorough due diligence process, we began..



Top of the line technology and local employment were the key.

The project was completed in less tan a month, with the help of our engineers and the local community.

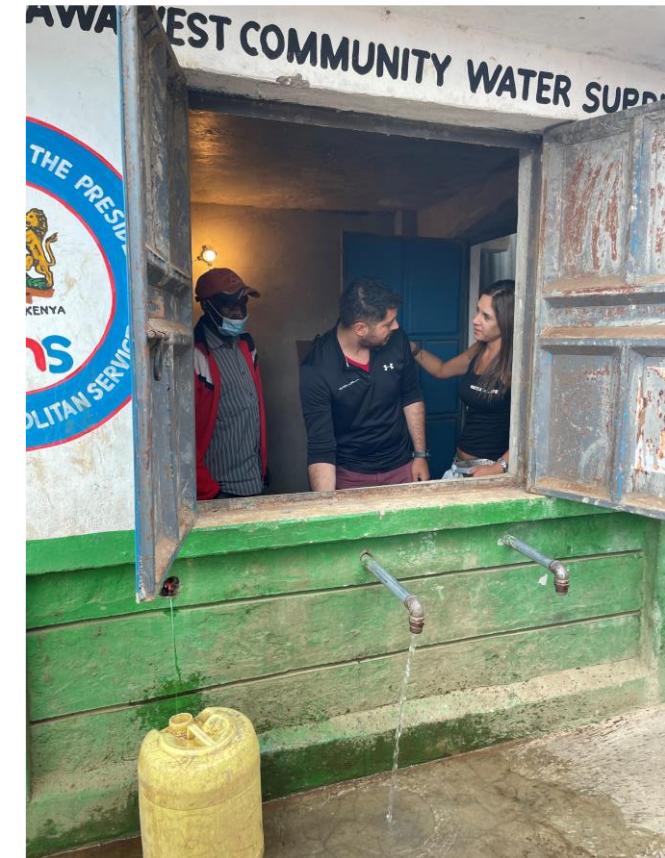




To run the pumping system, we **installed 32 Solar Modules of 330watts (10,560watts)**, which was the requirement for powering the **5.5KW/7.5HP Submersible Motor**. We used the roof of Soweto's Community Center, which was a significant cost-efficiency for the project.



The Generated DC Power was converted into AC Power. **This power is sustainable and maintenance free.**
Also, an under-sink water treatment system was installed for the drinking.



The kiosk is fully functional, and the water supply is now permanent and reliable. **Soweto now has water everyday and, safe for drinking.** In the picture, next to the team, is Collins, member of the community selected to oversee the kiosk.



But there was still one more thing to do... The new water kiosk was working perfectly, but the water wasn't getting to every corner of Soweto.

In particular, on the other side of the slum, a Children's Home, run by a very powerful woman, was in desperate need for some water, not being able to walk to the water point every day.

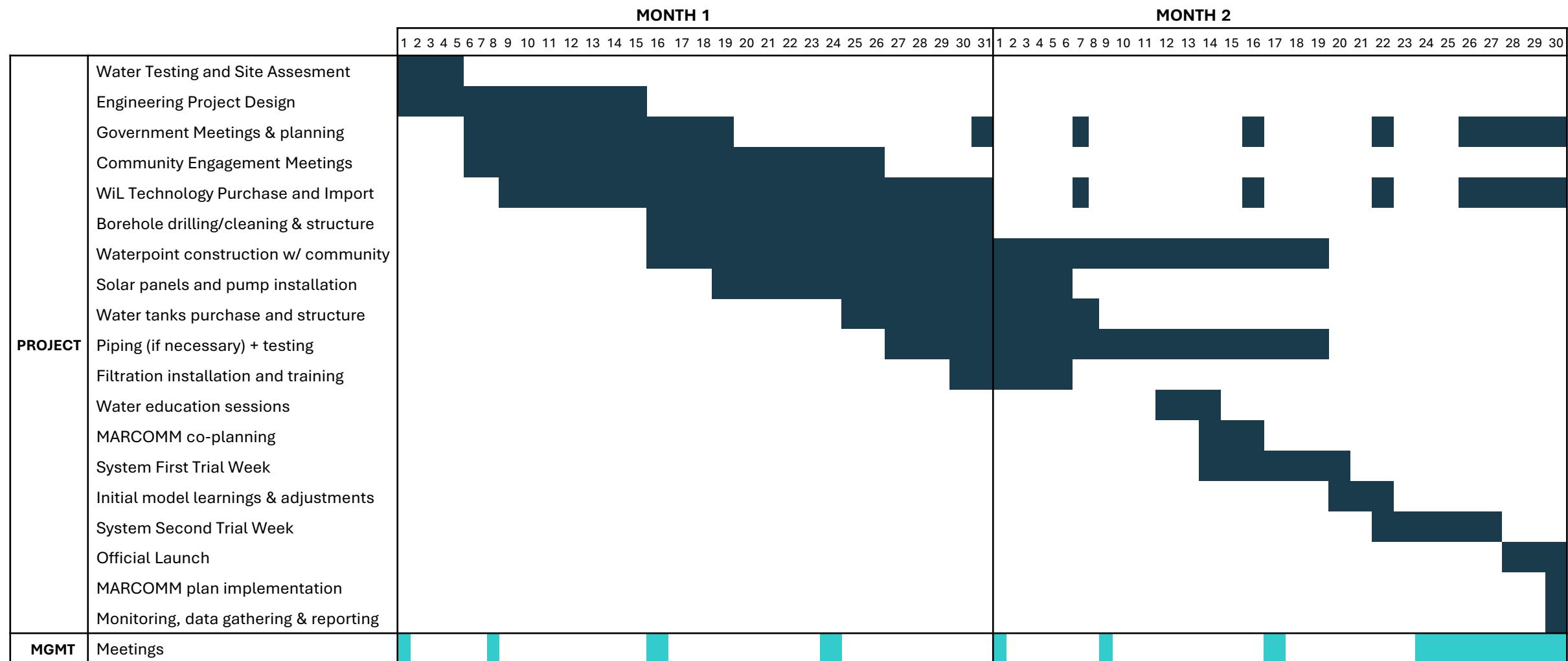
WATERisLIFE made some additional efforts, raised some more funds, and managed to install a booster pump and additional piping to get the water from the borehole to the Home. This was done in one week.





The second stage of the project is to bring sanitation to the Soweto slum, with the new access to water. Toilets, showers and sinks are being planned to provide basic wellbeing and dignity to the community, while diminishing diseases due to lack of hygiene. **We contacted experts from other slums in Kenya and international water specialists to visit the slum and work with us.**

What a “typical” WATERisLIFE project looks like





WATERisLIFE

IMPACT REPORT

JUNE 2021 - JULY 2022

A year of safer water to improve lives.